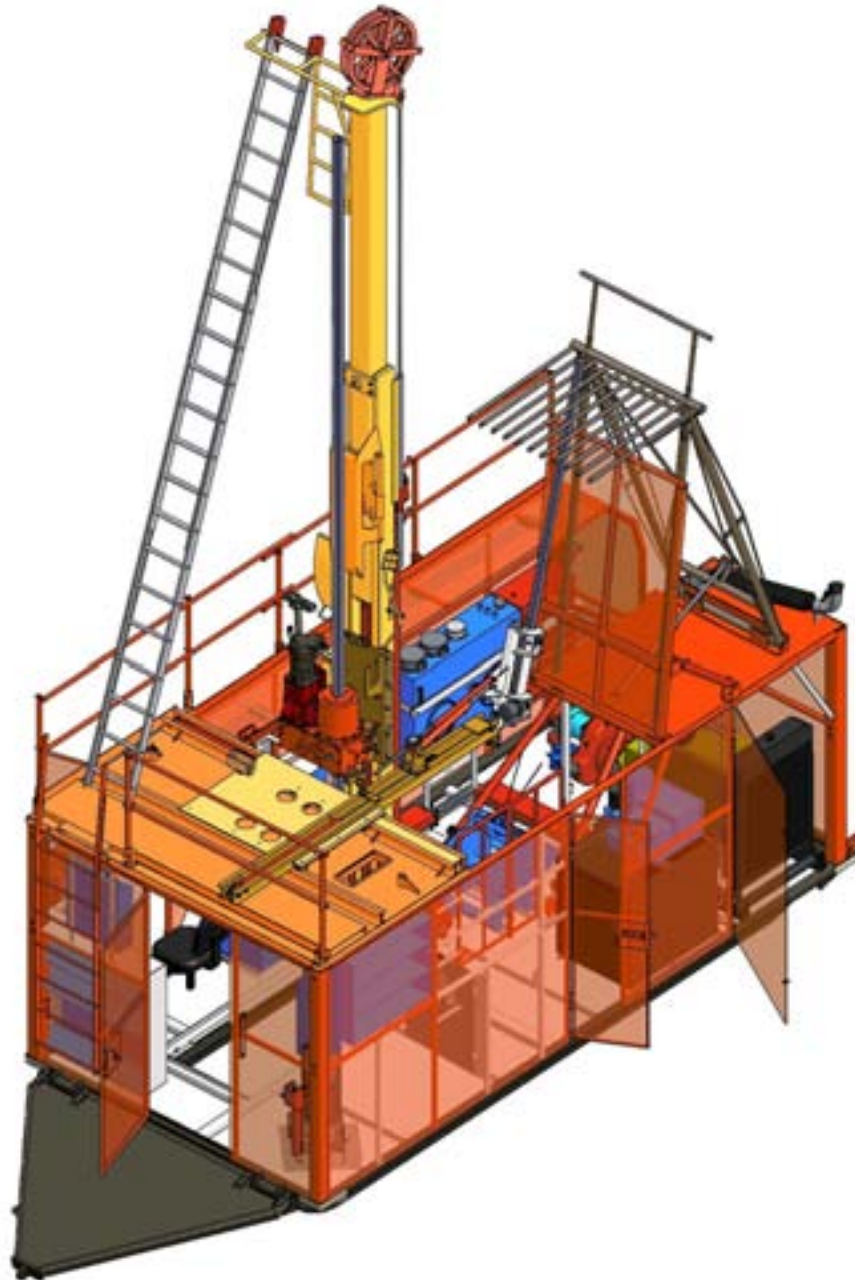


# SHACK MOUNTED DRILL RIG VD5000



**Atelier  
Val d'Or inc.**

1096 Rue de l'Écho  
Parc Industriel  
Val-d'Or (Québec) J9P 6X8

☎ 819-824-3676  
☎ 819-824-2891  
✉ [ateliervd@ateliervd.qc.ca](mailto:ateliervd@ateliervd.qc.ca)

## TECHNICAL SPECIFICATIONS

<b>Model</b>	VD5000
<b>Type</b>	Skid mounted, enclosed shack, all hydraulic chuck drive core drill, specially designed for diamond core drilling up to the rated specifications.
<b>Drill mast</b>	Capacity to drill between 90° and 45°.
<b>Diesel Engine</b>	The most frequently used power units are John Deere 200HP JD6068TF250 or John Deere 250HP JD6081AF001 with a normal operating speed up to 2,200 RPM (operating RPM can vary depending of pumps configuration/option).
<b>Fuel tank capacity</b>	160 liters (42 US gal.)
<b>Pump drive</b>	Funk triple pump drive (series 28000) with ratio 1.27:1
<b>Rotation Head</b>	AVD ( <b>A</b> telier <b>V</b> al <b>D'</b> Or inc.) type with chain drive head for hydraulic chuck (customer choice) ratio 12/24 on "H" size head, and 12/29 on "P" size head.
<b>Transmission</b>	Funk 4 speeds transmission (Ratio 1 <sup>st</sup> 6.63:1, 2 <sup>nd</sup> 3.17:1, 3 <sup>rd</sup> 1.72:1. 4 <sup>th</sup> 1:1)
<b>Head Table</b>	Hydraulic cylinder directly coupled to the Rotation Head table. The travel is 3m (10ft) or 3.3m (11ft). The pull down and pull up capacities are 13,526 kg (29,820 lbs) and 25,650 kg (56,548 lbs) both at a pressure of 4,500PSI.
<b>Pull Cylinder</b>	Hydraulic cylinder with 16,833 kg (37,110 lbs) of maximum pull at 4,500PSI.
<b>Water Pump</b>	Standard Bean 435 or Pratissoli KF40 (Customer's choice possible)
<b>Rod clamp</b>	Boyles style for "B" to "P" sizes.
<b>Wireline winch</b>	The capacity of the wireline winch is up to 3,500m (11,480ft) for 3/16in wireline rope, depending on the option chosen.
<b>Hydraulic</b>	Full flow 25 micron Beta rated return oil filtration. Water/Oil, air/oil hydraulically motorized (optional) and air/oil (optional, installed on the diesel engine) hydraulic coolers.
<b>Hydraulic tank capacity</b>	323 liters (85 US gal.)
<b>Maximum pull capacity</b>	42,483 kg (93,658 lbs) @ 4,500 PSI with feed and pull cylinder.
<b>Overall weight of drill</b>	approx. 13,640 kg (30,000 lbs)

**Rod handler** Standard

### Rod Rack maximum stacking capacity

Rod size		BQ (Ø2.19")*	NQ (Ø2.75")	HQ (Ø3.50")	PQ (Ø4.50")
Qty( 9 meters section)		243	216	140	88
Depth in:	meters	2,187	1,944	1,260	792
	feet	7,175	6,376	4,132	2,597

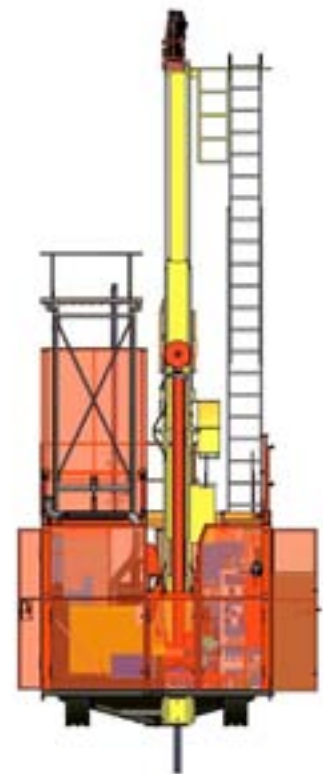
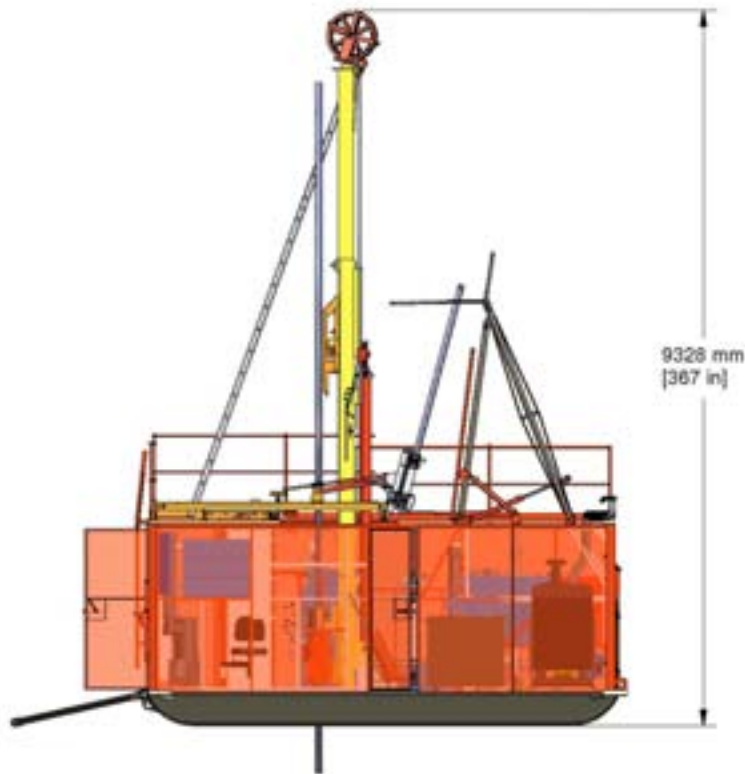
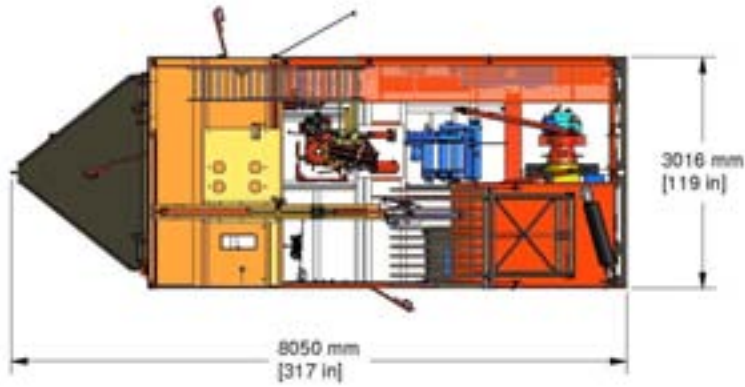
\* : comb configured for NQ rod



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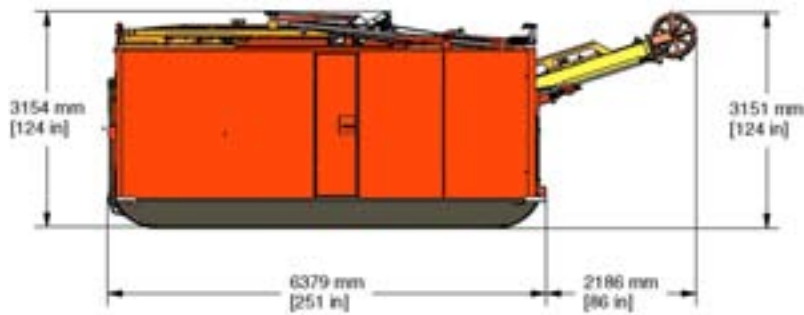
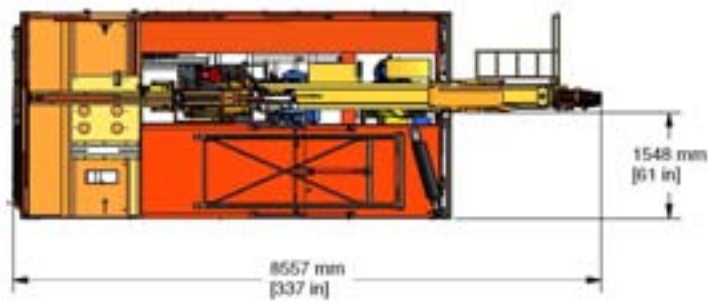
**DRILL WORKING POSITION (mast 90° shown)**



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**DRILL TRANSPORT POSITION**



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